AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended):   A display apparatus for selectively displaying a two-dimensional image and a three-dimensional image, the display apparatus comprising:

a flat panel display device which generates a two-dimensional image when two-dimensional image display is requested and generates a plurality of viewpoint images having parallax when three-dimensional image display is requested; and

a switching panel which is disposed in front of the flat panel display device to be separated from the flat panel display device by a predetermined distance and is controlled according to a type of image generated by the flat panel display device so that the two-dimensional image and the three-dimensional image can be displayed,

wherein at least one of following formulae is satisfied:

$$p_i = p(1 - \frac{d}{V_D}) \text{ and}$$

$$Ep_i = V_W \cdot \frac{d}{V_D},$$

where "p" denotes a pixel pitch of the flat panel display device, p_i denotes a pixel pitch of the switching panel, V_D denotes a watching distance, "d" denotes a distance between the flat panel display device and the switching panel, Ep_i denotes a width of the valid image display

region transmitting light on the switching panel during three-dimensional image display, and V_W

denotes a width of a visual field.

2. (original):   The display apparatus of claim 1, wherein the switching panel is formed to transmit light as it is when the two-dimensional image is generated by the flat panel display device and has a structure corresponding to pixel information of the flat panel display device when a plurality of viewpoint images for forming the three-dimensional image are generated by the flat panel display device.

3. (original):   The display apparatus of claim 2, wherein each pixel of the switching panel comprises:

a valid image display region which transmits light corresponding to the viewpoint images during the three-dimensional image display; and

a selective blocking region which surrounds the valid image display region and selectively transmits and blocks light according to an on/off control.

4. (original):   The display apparatus of claim 3, wherein a size of the valid image display region can be adjusted.

5. (original):   The display apparatus of claim 4, wherein the switching panel is a liquid

crystal display which is designed to selectively turn on and off light according to a control signal.

6. (original):   The display apparatus of claim 3, wherein the switching panel is a liquid

crystal display which is designed to selectively turn on and off light according to a control signal.

7. (original):   The display apparatus of claim 2, wherein the switching panel is a liquid

crystal display which is designed to selectively turn on and off light according to a control signal.

8. (original):   The display apparatus of claim 1, wherein the flat panel display device is

one selected from the group consisting of a liquid crystal display, a plasma display panel, a field

emission device, and an organic electroluminescence panel.

9. (original):   The display apparatus of claim 1, wherein the flat panel display device

generates a plurality of viewpoint images arranged in an n×n matrix in each pixel when the three-

dimensional image is generated.

10. (canceled).

11. (currently amended):   The display apparatus of claim 1~~0~~, wherein the width Ep_i of

the valid image display region transmitting light on the switching panel and the pixel pitch p_i of

the switching panel satisfy a relationship expressed by $Ep_i \leq p_i$.

12. (currently amended):   The display apparatus of claim 1~~0~~, wherein when a distance

between adjacent visual fields of different viewpoints is denoted by ΔV, an image width ΔEp_i

corresponding to the distance ΔV in the valid image display region is given by a following

formula:

$$\Delta Ep_i = \Delta V \cdot \frac{d}{V_D} .$$

13. (original): The display apparatus of claim 1, further comprising a visual field

expansion unit which expands a visual field in at least one of a vertical direction and a horizontal

direction.

14. (original): The display apparatus of claim 13, wherein the visual field expansion unit

comprises a first lens plate which expands the visual field in the horizontal direction and a

second lens plate which expands the visual field in the vertical direction.

15. (withdrawn):   A method of selectively displaying a two-dimensional image and a

three-dimensional image, the method comprising:

selecting one of two-dimensional image display and three-dimensional image display;

driving a flat panel display device to generate the two-dimensional image or generate a

plurality of viewpoint images having different parallaxes in each pixel so as to form the three-

dimensional image so that the two-dimensional image or the three-dimensional image is

displayed; and

driving a switching panel according to a type of image generated by the flat panel display

device such that the switching panel transmits light as it is when the two-dimensional image is

generated by the flat panel display device and the switching panel has a structure corresponding

to pixel information of the flat panel display device when the plurality of viewpoint images are

generated by the flat panel display device.

16. (withdrawn):   The method of claim 15, wherein the plurality of viewpoint images

are arranged in an n×n matrix in each pixel.

17. (previously presented):   The display apparatus according to claim 1, wherein the

switching panel forms a parallax barrier having a grid structure when the three-dimensional

image display is requested.

18. (previously presented):   The display apparatus according to claim 8, wherein the flat

panel display device is configured to display the viewpoint images having parallax in a

horizontal direction, a vertical direction and a diagonal direction.